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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/622,458	07/21/2003	Dong Hun Yoon	HI-0155	5225
34610	7590	06/02/2006	EXAMINER	
FLESHNER & KIM, LLP P.O. BOX 221200 CHANTILLY, VA 20153			CRIBBS, MALCOLM D	
			ART UNIT	PAPER NUMBER
			2115	

DATE MAILED: 06/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/622,458	Applicant(s) YOON ET AL.	
	Examiner Malcolm D. Cribbs	Art Unit 2115	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>6/23/05</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claims 1-32 are presented for examination.

5 ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

10 (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

15 Claims 1-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Uehara [US Patent No. 5,805,139] in view of Rudd [Publication No. US 2002/0180704].

20 **As per claims 1, and 6**, Uehara teach the invention comprising:
an internal input device [Fig. 1, pointing stick 33]; and
a controller [Fig. 1, keyboard controller 25] coupled to the internal device and communicating with an operating system [Fig. 1, BIOS 17].

25 Uehara do not teach a method of ignoring the internal device when an external USB device is attached thereto. Specifically, Uehara teach a method of disabling an internal device [pointing stick] when an external USB mouse is attached. However, Uehara fails to detail the method used to disable the internal device when the external

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device is connected. A routineer in the art would have been motivated to look for a teaching for the possible method of disabling the internal device [pointing stick].

Rudd teaches another method of disabling one of the two input devices used to input data. When the user is active on the keyboard any data input by the pointing stick [Cursor control Fig. 1; 100, 102, 104, 106, 108, and 110] is ignored; wherein ignoring the data sent therefrom disables the pointing stick.

It would have been obvious to one of ordinary skill in the art to combine the teachings of Uehara and Rudd, which are analogous art, because they both teach a method of disabling and enabling input-pointing devices. Rudd's teaching of disabling the pointing device by ignoring the data sent therefrom would improve the accuracy of Uehara's system by allowing Uehara to properly disable by ignoring the data when another input device is being used.

15

As per claims 2, and 7, Uehara teaches the invention of the internal input device comprising at least one of a keyboard, a touch pad, and a pointing stick [Fig. 1, 33; Fig 10].

As per claims 3, and 8, Uehara teaches the invention of the external USB input device comprising a USB mouse [Fig. 1 PS/2 mouse 35].

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As per claims 4, and 9, Uehara teaches the invention of receiving data from the internal input device when the external USB input device is detached [Col 14 lines 10-14].

5 **As per claims 5, and 10,** Uehara teaches the invention of the operating system being configured to update a system BIOS memory to indicate that an external USB input device has been attached/detached [Col 12 lines 40-51; Col 13 lines 43-55].

10 **As per claims 27, 28, and 29,** Uehara teaches a method of the operating system being configured to receive data directly from the external USB input device [Col 12 lines 40-51].

15 **As per claims 11-19, and 30,** it is directed to the method of steps to implement the system as set forth in claims 1-5, 6-10, and 27-29. Therefore, it is rejected for the same basis as set forth hereinabove.

As per claims 20, and 31, it is directed to the means to implement the system as set forth in claims 1-5, 6-10, and 27-29. Therefore, it is rejected for the same basis as set forth hereinabove.

As per claims 21-26, and 32, it is directed to the computer readable medium to implement the system as set forth in claims 1-5, 6-10, and 27-29. Therefore, it is rejected for the same basis as set forth hereinabove.

Conclusion

5 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Malcolm D. Cribbs whose telephone number is 571-272-5689. The examiner can normally be reached on M-F 8AM-430PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Lee can be reached on 571-272-3667. The fax phone number for
10 the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.
15 For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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May 23, 2006

Malcolm D Cribbs
Examiner
Art Unit 2115


THOMAS LEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100